Contents

NUMBER 1

- Robert V. Demicco. Platform and off-platform carbonates of the Upper Cambrian of western Maryland, U.S.A.
- 23 Bruce M. Simonson. Sedimentology of cherts in the Early Proterozoic Wishart Formation, Quebec-Newfoundland, Canada
- 41 Chang-Shu Yang and Swie-Djin Nio. The estimation of palaeohydrodynamic processes from subtidal deposits using time series analysis methods
- 59 Jean Lajoie and Denis A. St-Onge. Characteristics of two Pleistocene channel-fill deposits and their implication on the interpretation of megasequences in ancient sediments
- 69 G. Vilks, D. Buckley and L. Keigwin. Late Quaternary sedimentation on the Southern Sohm Abyssal Plain
- 83 James P. M. Syvitski, K. W. Asprey, D. A. Clattenburg and Gordon D. Hodge. The prodelta environment of a fjord: suspended particle dynamics
- 109 Mike Dickman. Seasonal succession and microlamina formation in a meromictic lake displaying varved sediments
- 119 Julian A. Dowdeswell, Lisa E. Osterman and John T. Andrews. Quartz sand grain shape and other criteria used to distinguish glacial and non-glacial events in a marine core from Frobisher Bay, Baffin Island, N.W.T., Canada
- 133 Suzanne D. Weedman and Rudy Slingerland. Experimental study of sand streaks formed in turbulent boundary layers
- 147 David R. Rubin and Ralph E. Hunter. Why deposits of longitudinal dunes are rarely recognized in the geologic record

SHORT COMMUNICATION

- 159 Peter Ergenzinger. Electromagnetic devices for measuring bedload transport
- 133 Book reviews
- 139 Forthcoming papers

NUMBER 2

- 167 William L. Duke. Hummocky cross-stratification, tropical hurricanes, and intense winter storms
- 195 Edward Cotter. Gravel-topped offshore bar sequences in the Lower Carboniferous of southern Ireland
- 215 William M. Berelson and S. Duncan Heron (Jr). Correlations between Holocene flood tidal delta and barrier island inlet fill sequences: Back Sound-Shackleford Banks, North Carolina
- 223 Bryan Krapez. The Ventersdorp Contact placer: a gold-pyrite placer of stream and debris-flow origins from the Archaean Witwatersrand Basin of South Africa
- 235 M. Mustafa Alam, Keith A. W. Crook and Graham Taylor. Fluvial herring-bone cross-stratification in a modern tributary mouth bar, Coonamble, New South Wales, Australia
- 245 Gillian Rex. A laboratory flume investigation of the formation of fossil stem fills

- 257 M. R. Talbot. Major bounding surfaces in aeolian sandstones-a climatic model
- 267 Dieter A. Rumpel. Successive aeolian saltation: studies of idealized collisions
- 281 J. N. J. Visser and K. J. Hall. Boulder beds in the glaciogenic Permo-Carboniferous Dwyka Formation in South Africa
- 295 C. P. Gravenor. Chattermarked garnets found in soil profiles and beach environments

DISCUSSION

- 307 E. D. Orr and R. L. Folk. Chattermarked garnets found in soil profiles and beach environments
- 279 Book reviews
- 291 Forthcoming papers

NUMBER 3

- 317 Daniel W. J. Bosence, Royston J. Rowlands and Mark L. Quine. Sedimentology and budget of a Recent carbonate mound, Florida Keys
- 345 Djafar M. Aïssaoui. Botryoidal aragonite and its diagenesis
- 363 Robert L. Brenner, Donald J. P. Swift and G. C. Gaynor. Re-evaluation of conquinoid sandstone depositional model, Upper Jurassic of central Wyoming and south-central Montana
- 373 Kevin T. Pickering and Richard N. Hiscott. Contained (reflected) turbidity currents from the Middle Ordovician Cloridorme Formation, Quebec, Canada: an alternative to the antidune hypothesis
- 395 Paul D. Komar. The hydraulic interpretation of turbidites from their grain sizes and sedimentary structures
- 409 Ralph E. Hunter. A kinematic model for the structure of lee-side deposits
- 423 Eduardo Garzanti. The sandstone memory of the evolution of a Triassic volcanic arc in the Southern Alps, Italy
- 435 Jeffrey Mount. Mixed siliciclastic and carbonate sediments: a proposed first-order textural and compositional classification
- 443 Hans-G. Machel. Fibrous gypsum and fibrous anhydrite in veins

DISCUSSIONS

- 455 G. Shanmugam and R. J. Moiola. Sedimentary facies of the Nova Scotian upper and middle continental slope, offshore eastern Canada
- 456 Philip R. Hill. Dissimilarities between the Scotian Slope and the Hecho Group
- 459 G. Steinitz. Diagenetic density inversions and the deformation of shallow marine chert beds in Israel
- 461 Jonathan Fink and Ze'ev Reches. Reply
- 465 Book reviews
- 471 Forthcoming papers

NUMBER 4

473 Henry T. Mullins, Sherwood W. Wise (Jr), Anne F. Gardulski, Edward J. Hinchey, Philip M. Masters and D. I. Siegel. Shallow subsurface diagenesis of Pleistocene periplatform ooze: northern Bahamas

- 495 John Simpson. Stylolite-controlled layering in an homogeneous limestone: pseudo-bedding produced by burial limestone
- 507 C. C. von der Borch, A. E. Grady, R. Aldam, D. Miller, R. Neumann, A. Rovira and K. Eickhoff. A large-scale meandering submarine canyon: outcrop example from the late Proterozoic Adelaide Geosyncline, South Australia
- 519 G. Neef, I. R. Plimer and R. S. Bottrill. Submarine-fan deposited sandstone and rudite in a mid-Cenozoic interarc basin in Maewo, Vanuatu (New Hebrides)
- 543 J. P. Barusseau, E. H. S. Diop and J. L. Saos. Evidence of dynamics reversal in tropical estuaries, geomorphological and sedimentological consequences (Salum and Casamance Rivers, Senegal)
- 553 Andrew C. Morton. A new approach to provenance studies: electron microprobe analysis of detrital garnets from Middle Jurassic sandstones of the northern North Sea
- 567 Robert A. Zielinski. Element mobility during alteration of silicic ash to kaolinite—a study of tonstein
- 581 N. Lancaster. Variations in wind velocity and sand transport on the windward flanks of desert sand dunes
- 595 M. A. Foda, F. I. Khalaf and A. S. Al-Kadi. Estimation of dust fallout rates in the northern Arabian Gulf
- 605 Sven Blomqvist. Reliability of core sampling of soft bottom sediment—an in situ study

SHORT COMMUNICATION

- 613 Robert Metz. The importance of maintaining horizontal sieve screens when using a Ro-Tap
- 615 Book reviews
- 625 Forthcoming papers

NUMBER 5

- 627 Tim K. Lowenstein and Lawrence A. Hardie. Criteria for the recognition of salt-pan evaporites
- 645 Bruce E. Broster and Stephen R. Hicock. Multiple flow and support mechanisms and the development of inverse grading in a subaquatic glacigenic debris flow
- 659 J. R. Ineson. Submarine glide blocks from the Lower Cretaceous of the Antarctic Peninsula
- 671 Koji Yagishita. Evolution of a provenance as revealed by petrographic analyses of Cretaceous formations in the Queen Charlotte Islands, British Columbia, Canada
- 685 A. G. Davies. Field observations of the threshold of sediment motion by wave action
- 705 B. Diem. Analytical method for estimating palaeowave climate and water depth from wave ripple marks
- 721 S. Manickam, L. Barbaroux and F. Ottmann. Composition and mineralogy of suspended sediment in the fluvio-estuarine zone of the Loire River, France
- 743 Ramadan Abu El-Ella and James M. Coleman. Discrimination between depositional environments using grain-size analyses
- 749 Andreas Wetzel. Asymmetry of Zoophycos burrows as a way-up criterion—a reconsideration
- 753 Book reviews
- 761 Forthcoming papers

NUMBER 6

- 763 Andrew D. Miall. Sedimentation on an early Proterozoic continental margin under glacial influence: the Gowganda Formation (Huronian), Elliot Lake area, Ontario, Canada
- 789 Nicholas Eyles and Bryan M. Clark. Gravity-induced soft-sediment deformation in glaciomarine sequences of the Upper Proterozoic Port Askaig Formation, Scotland
- 815 Carl L. Amos and David C. Mosher. Erosion and deposition of fine-grained sediments from the Bay of Fundy
- 833 J. D. Kantorowicz. The petrology and diagenesis of Middle Jurassic clastic sediments, Ravenscar, Group, Yorkshire
- 855 Andrew Watson. Structure, chemistry and origins of gypsum crusts in southern Tunisia and the central Namib Desert
- 877 Stephen T. Solomon and Gordon M. Walkden. The application of cathodo-luminescence to interpreting the diagenesis of an ancient calcrete profile
- 897 Said Tlig and Ali M'Rabet. A comparative study of the Rare Earth Element (REE) distributions within the Lower Cretaceous dolomites and limestones of Central Tunisia
- 909 Book reviews
- 917 Forthcoming papers

